

# EAST Search History (8pp) *[Signature]*

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("739014.ap.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 04:36
L2	6	"739014".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 04:36
L3	1	(US-20040221795-\$).did.	US-PGPUB	OR	OFF	2006/11/27 05:34
L4	1	(US-20040221795-\$).did. and "high"	US-PGPUB	OR	ON	2006/11/27 06:22
L5	1	"486421".ap.	US-PGPUB	OR	ON	2006/11/27 06:50
L6	8638	((252/502) or (257/77) or (117/84) or (117/97) or (117/929) or (423/446) or (428/334) or (428/408)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 06:51
L7	61	6 and (single adj crystal monocrystalline monocrystal single adj crystalline) near5 cvd near5 diamond and (mobility resistivity (electric\$2 conductivity) charge adj collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 06:53
S1	5	"777633".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 09:46
S2	1	(US-20040221795-\$).did.	US-PGPUB	OR	OFF	2006/03/12 09:46
S3	10	((("20040180205") or ("20040194690") or ("20040177803") or ("20040229464") or ("20040175499")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 09:49
S4	5	"739014".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 09:52
S5	9	(single adj crystal near2 diamond) near4 (CVD (chemical adj vapo\$1r adj deposition)) and collection adj distance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 10:28

## EAST Search History

S6	2	("6582513").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 10:24
S7	4	((("5587210") or ("5360479")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 10:25
S8	0	S7 and collection adj distance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 10:28
S9	0	S7 and (lifetime collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 10:28
S10	0	S7 and (lifetime collection adj distance life adj time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 10:28
S11	0	S7 and (lifetime collection adj distance life adj time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 10:28
S12	35	(single adj crystal near2 diamond) near4 (CVD (chemical adj vapo\$1r adj deposition)) and (lifetime life adj time collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 10:47
S13	38	((monocrystal monocrystalline (single adj crystal)) near2 diamond) near4 (CVD (chemical adj vapo\$1r adj deposition)) and (lifetime life adj time collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 11:06
S14	198	((monocrystal monocrystalline (single adj crystal)) near2 diamond) near4 (CVD (chemical adj vapo\$1r adj deposition))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 11:06

## EAST Search History

S15	118	((monocrystal monocrystalline (single adj crystal)) near2 diamond) near4 (CVD (chemical adj vapo\$1r adj deposition)).ti,ab, clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 11:10
S16	35	((monocrystal monocrystalline (single adj crystal)) near2 diamond) near4 (CVD (chemical adj vapo\$1r adj deposition)).ti,ab, clm. and (efficiency lifetime life adj time collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 11:16
S17	2	jp-03008378\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 12:26
S18	54	(ccd charge adj collection adj distance) near6 diamond	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 13:31
S19	120	(cvd chemical adj vapo\$1r adj deposition) near6 diamond near6 (single adj crystal monocrystal monocryatlline).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 13:33
S20	4	(cvd chemical adj vapo\$1r adj deposition) near6 diamond near6 (single adj crystal monocrystal monocryatlline).ti,ab,clm. and collection adj distance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 13:34
S21	6	(cvd chemical adj vapo\$1r adj deposition) near6 diamond near6 (single adj crystal monocrystal monocryatlline).ti,ab,clm. and (ccd collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 13:35
S22	120	(cvd chemical adj vapo\$1r adj deposition) near6 diamond near6 (single adj crystal monocrystal monocryatlline).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 13:35
S23	68	(cvd chemical adj vapo\$1r adj deposition) near6 diamond near6 (single adj crystal monocrystal monocryatlline).ti,ab,clm. and @ad<"20000615"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 13:49

## EAST Search History

S24	12	(cvd chemical adj vapo\$1r adj deposition) near6 diamond near6 (single adj crystal monocystal monocryatlline).ti,ab,clm. and @ad<"20000615" and impurities	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 13:49
S25	2	(collection adj distance) near5 (natural adj diamond)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 14:03
S26	0	(collection adj distance) near5 diamond not cvd	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 14:03
S27	5	(collection adj distance) near5 diamond	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:28
S28	0	optical adj switch near4 (CVD adj diamond)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:37
S29	0	((switching adj element) (optical adj switch)) near4 (CVD adj diamond)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:38
S30	1	((switching adj element) (optical adj switch)) same (CVD adj diamond)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:38
S31	1	((switching adj element) (optical adj switch)) same (CVD near4 diamond)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:38
S32	71	((switching adj element) (optical adj switch)) same diamond	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:39
S33	3	((switching adj element) (optical adj switch)) same diamond same CVD	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:42

## EAST Search History

S34	4	(optical adj switch) same diamond and CVD	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 16:57
S35	2	("5803967").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 16:57
S36	24	(US-20040221795-\$ or US-20040229464-\$ or US-20040194690-\$ or US-20040180205-\$ or US-20040177803-\$ or US-20040175499-\$ or US-20040182308-\$ or US-20050181131-\$ or US-20030131787-\$).did. or (US-6858080-\$ or US-5773830-\$ or US-5672430-\$ or US-6582513-\$).did. or (JP-03008378-\$ or JP-03008379-\$).did. or (WO-2004046427-\$ or WO-2004027123-\$ or WO-2004022821-\$ or WO-2003052177-\$ or WO-2003052174-\$ or WO-200196633-\$ or JP-03008378-\$ or US-20050025886-\$ or GB-2295402-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/03/12 17:32
S37	4	S36 and "300" near1 "K"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 17:34
S38	11	S36 and ((room adj temperature) ("300" near1 "K"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 17:36
S39	768	cvd near4 diamond and ((room adj temperature) ("300" adj "K"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 17:37

## EAST Search History

S40	1	cvd near4 diamond and ((room adj temperature) ("300" adj "K")) near1 (collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 17:38
S41	1	cvd near8 diamond and ((room adj temperature) ("300" adj "K")) near1 (collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 17:38
S42	1	cvd near16 diamond and ((room adj temperature) ("300" adj "K")) near1 (collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 17:38
S43	2	cvd near16 diamond and ((room adj temperature) ("300" adj "K")) near8 (collection adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/12 17:41
S44	9	((("5,614,019") or ("6,132,816") or ("5,773,830") or ("5,672,430") or ("5,391,409"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 17:47
S45	31	(US-20040221795-\$ or US-20040229464-\$ or US-20040194690-\$ or US-20040180205-\$ or US-20040177803-\$ or US-20040175499-\$ or US-20040182308-\$ or US-20050181131-\$ or US-20030131787-\$).did. or (US-6858080-\$ or US-5773830-\$ or US-5672430-\$ or US-6582513-\$ or US-5391409-\$ or US-5614019-\$ or US-6132816-\$).did. or (JP-03008378-\$ or JP-03008379-\$).did. or (WO-2004046427-\$ or WO-2004027123-\$ or WO-2004022821-\$ or WO-2003052177-\$ or WO-2003052174-\$ or WO-200196633-\$ or JP-03008378-\$ or US-20050025886-\$ or GB-2295402-\$ or EP-745707-\$ or EP-635584-\$ or EP-507497-\$ or EP-918100-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/03/12 18:04

## EAST Search History

S46	20	S45 and (thick thickness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 18:04
S47	72	((chemical adj vapo\$1r cvd) near4 diamond) and surface near1 defect	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 07:44
S48	85	cte.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 07:40
S49	29	((chemical adj vapo\$1r cvd) near4 diamond) and surface near1 defect and defect.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 07:50
S50	15	((chemical adj vapo\$1r cvd) near4 diamond) and surface near1 defect and defect.ti,ab,clm. and nitrogen	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 08:04
S51	2	("5803967").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:07
S52	1	S51 and (nitrogen N "N.sub."S49)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:05
S53	1	S52 and (nitrogen N "N.sub."S49)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 08:05
S54	1	S51 and surface near4 etch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:08
S55	2	S51 and surface same etch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:47

## EAST Search History

S56	8331	((252/502) or (257/77) or (117/84) or (117/97) or (117/929) or (423/446) or (428/334) or (428/408)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 08:48
S57	1	S56 and (chemical adj vapo\$1r cvd) near4 diamond.ti,ab,clm. and (single adj crystal monocrystal monocrystalline).ti,ab,clm. and (efficiency collection adj distance ccd trapping adj time lifetime life adj time).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 08:50
S58	31	"5443032"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/14 14:05
S59	2	("5443032").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/14 14:06